Andrei Stefan

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Education

Delft University of Technology	Expected graduation date: Jul. 2025
BSc in Computer Science and Engineering| Link to all courses - Data variant	*GPA: 89/100*

Relevant Courses: Big Data Processing (Scala, Spark, Flink), OOP Project/Software Engineering Methods (Java) Machine Learning (Python), Algorithms and Data Structures/Algorithm Design, Probability and Statistics

Experience

Delft University of Technology   Sep. 2023 - Dec. 2023

Teaching Assistant   *Student Mentoring, Prolog, Grading*

- Helped students with their issues regarding the course Reasoning and Logic, which included a project in Prolog;
- Helped grade exams and homework, giving constructive feedback on mistakes made.

Projects

OOP Project - Talio   Feb. 2023 - Apr. 2023

Task management collaborative application   *Java, Gradle, SpringBoot, Scene Builder, JavaFX, Git*

- Developed a task organizer (similar to GitHub/Gitlab's Issue Boards) using Java in a team of 6 people, using the Agile software development approach.
- Users were able to work together on task boards, adding tasks/task lists, tags, sub-tasks, and customizing their board to their liking. The user experience was facilitated by features like drag-and-drop and a minimalist design.

React About Me App   Jun. 2023

A React and TypeScript application   *React, TypeScript, Firebase, CSS, Git*

- Developed a site to serve as an early personal website using React and TypeScript, to get more familiar with both. The website contains various projects, which are stored in a Firebase Realtime Database.

Edu++   May 2022

A C# online learning platform for students and teachers   *C#, Firebase, .NET*

- Developed during high-school as part of a Computer Science certificate, this app uses Firebase to store student and teacher data and displays it in the same app for both sides, with unique layouts for both. Teachers can create lessons and tests, and students can complete and submit them.

Activities

Honors Programme   Oct. 2023 - Ongoing

Next Generation Robotics

- Following the Honors track Next Generation Robotics, which is focused on using research to develop new innovative robots for current world problems.
- As of now, I am researching ways for robots to monitor a levee's integrity and transform data captured by sensors into an easy-to-understand format.

High School Activities   Sep. 2018 - Jul. 2022

Robotics Team Member and Centre of Excellence Student

- As a robotics team member, I learned to use tools such as CAD with SOLIDWORKS, 3D Printing and CNC carving to create robots, a new one every year. In doing so, my team earned significant distinctions at a national level.
- As a Centre of Excellence student, I took part in weekly algorithmics lessons taught by the best teachers in the county in order to achieve results at programming contests.

Skills & Awards

Programming Languages:

Java, Scala, C++, C#, Python, JavaScript, TypeScript

Technologies & Tools:

Git, Shell, React, SQL, Firebase

Awards:

Bronze Medal - National Stage OSEPI (Olympiad of the Society for Excellence and Performance in Informatics)